U.S. Department
of Transportation

**Pipeline and
Hazardous Materials
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0750/S-96, REVISION 0**

**East Building, PHH-23
1200 New Jersey Avenue SE
Washington, D.C. 20590**

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency[1] and the United States of America[2] for the transport of radioactive material.

1. Source Identification - Baker Hughes Model INT-5 capsule.

2. Source Description - No more than 0.185 TBq (5 Ci) of Americium-241. The Am-241 is in oxide form and mixed with a beryllium powder.

3. Radioactive Contents - Cylindrical single encapsulation made of Type 17-4 stainless steel and heliarc seal welded. Approximate outer dimensions are 15.8 mm (0.623 in.) in diameter and 40.6 mm (1.6 in.) in length. Construction shall be in accordance with attached Baker Hughes Drawing No. 10193740, Rev. A.

4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations[1] shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.

5. Expiration Date - This certificate expires on August 31, 2012.

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[1] "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

[2] Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

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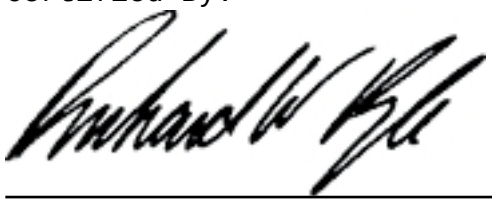
This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the July 23, 2007 petition by Baker Hughes Oilfield Operations, Inc., Houston, TX, and in consideration of other information on file in this Office.

Certified By:



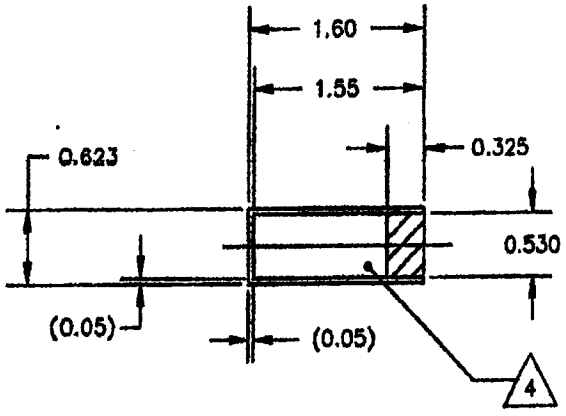
Robert A. Richard — **Jul 31 2007** (DATE)
Deputy Associate Administrator for Hazardous Materials Safety

Revision 0 - Original issue.

REV.	ECO/PCN/DESCRIPTION	BY	CHK	APP.	DATE

NOTES:

1. MARK PART PER SPECIFICATION 059969-8.
2. MATERIAL: 17-4 PH, HOUSING AND PLUG.
   COND: H1050-H1075
3. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M-1994.
4. ACTIVE AREA = 0.270 CUBIC INCHES.
5. CURIE CONTENT: 5 CI AM_{241} (+5/-5%).
6. NEUTRON OUTPUT: 1.0E+07 N-SEC TOLERANCE +5/-2%.



DO NOT SCALE THIS PRINT
UNLESS OTHERWISE SPECIFIED
.XXX ± .005
.XX ± .01
FRACTION ± 1/64
ANGLES ± 1/2 DEG
FINISH 125 MAX
REMOVE ALL BURRS AND SHARP EDGES .005/.010
INSIDE CORNERS .030 R MAX
DIMENSIONS ARE IN INCHES

THIRD ANGLE PROJECTION

BAKER HUGHES

CAPSULE, INNER 5 CI NEUTRON

CAD FILE: Autocad	DRN: J. WALKER	DATE: 03-16-07
CAD FILE DES: 2001 Rockies	CHK:	DATE
SCALE: 1:1	APPR:	DATE
SIZE: B	DWG. NO. 10193740	SHEET 1 of 1	REV. A

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CERTIFICATE NUMBER: USA/0750/S-96, Revision 0

ORIGINAL REGISTRANT(S):

Mr. James K. Elrod
Radiation Safety Officer
Baker Hughes Oilfield Operations, Inc.
Houston Technology Center
2001 Rankin Road
Houston, TX 77073